



"Ronald.C..Bourgoin"@fakeaddress.net on 06/25/2001 04:11:29 PM

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To: EISR, Bonnie Fogdall/YM/RWDOE
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Subject: SDEIS Comment

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IP address: 207.4.142.194

---> Commentors Name: Ronald C. Bourgoin
---> Organization:
---> Position:

---> The Commentors Address:
--->
---> Rocky Mount, North Carolina 27803

---> Email Information:
---> bourgoinr@edgecombe.cc.nc.us
---> Add commentor to the mailing list : no

---> Contact Information:
---> fax number : -
---> phone number : -
---> organization :
---> position :

--> Comment Text :
I know that the DOE welcomes any idea that might lead to a socially acceptable and scientifically sound method for the disposal of high-level nuclear wastes.

1 Professor Dr. Robert L. Carroll, in his book THE ENERGY OF PHYSICAL CREATION, 1985, presented the idea of inducing K-shell electron captures as a way to transmute nuclear wastes by lowering atomic numbers, and, thereby converting high-level wastes to low-level.

Professor Carroll in that same book discusses using his U.S. Patent for a solid-state electronic cryogenic cooling device (Pat. No. 3664143) and converting it to an electronic transmuter. The device would be essentially a pipe within a pipe, with both pipes connected by superconductors.

This device seems very simple in design and very inexpensive to construct, and I wonder if the DOE has looked at this development as a way out of the high-level waste problem.

One of the great advantages offered by the device is that it would be mobile and transportable, meaning that it could be taken to the site of the waste's temporary storage, and the waste could be treated there.

As I see it and understand it, it would operate in a manner largely like a mobile X-ray machine.